



Deputy Chief of Staff for Logistics Department of the Army Lieutenant General Joseph M. Heiser, Jr.

Commanding General U.S. Army Materiel Command General Henry A. Miley, Jr.

> Commandant U.S. Army Logistics Management Center

Colonel Bob A. McIlwain

Editor-in-Chief
Thomas A. Johnson

Associate Editors
Terry R. Speights
John P. Jones

Assistant Editors

Renault Boyer
Jacqueline Patterson
Harry D. Dowlan, Jr.
Helen Johnson

Art Director
Hugh E. Humphreys

Staff Artist

DeFonce Threatt

## ABOUT THE COVER

A remote supply point operating in the snow of a Norwegian winter is the subject of the original cover painting by Hugh E. Humphreys. The supply point belongs to NATO's ACE Mobile Force. The story of the logistics organization and support of this unusual unit begins on page 20.

## ARMY LOGISTICIAN

VOLUME 4, NUMBER 1 JANUARY-FEBRUARY 1972

THE OFFICIAL MAGAZINE OF UNITED STATES ARMY LOGISTICS

## FEATURE ARTICLES

- 4 Rebuilding Reparable Army Equipment in the Pacific Theater— Major General Jack C. Fuson
- 8 Eleven Ways to Reduce Packaging Costs—ALOG Staff Feature
- 12 Putting Idle Equipment to Work—ALOG Staff Feature
- 14 A Concept of Maintenance—Lieutenant Colonel Marvin Powers, USA (Ret.)
- 16 AMC's NCO's-ALOG Staff Feature
- 18 The Improve or Develop Dilemma-ALOG Staff Feature
- 20 ACE in the Hole-Major Robert C. Barrett
- 24 The Sharpe Trade-in Method-ALOG Staff Feature
- 26 Direct Exchange—The Logistics Offensive—Twelfth in a Series— Lieutenant Colonel Paul F. Anderson

## DEPARTMENTS

- 1 Emphasis
- 3 Career Programs
- 34 ALOG Digest
- 37 Logform

- 43 Course Briefs
- 44 Recently Published
- 45 Research Reports

Inside Back Cover-Coming Events

The mission of ARMY LOGISTICIAN is to provide timely and authoritative information on Army and Defense logistics plans, policies, doctrine, procedures, operations, and developments to the Active Army, Army National Guard, U.S. Army Reserve, civilian employees of the Army, and the public. ARMY LOGISTICIAN is published to increase knowledge and understanding of logistics and assists in accomplishing the information objectives of the Department of the Army.

ARMY LOGISTICAN is an official Department of the Army periodical published bimonthly at the U.S. Army Logistics Management Center, Fort Lee, Virginia, under the sponsorship of the Deputy Chief of Staff for Logistics and the Commanding General, U.S. Army Materiel Command. Photographs are U.S. Army unless otherwise specified. Material may be reprinted provided credit is given to ARMY LOGISTICIAN and to the author. Opinions expressed by contributors do not necessarily reflect the official viewpoint of the Department of the Army.

Articles, photographs, illustrations, and items

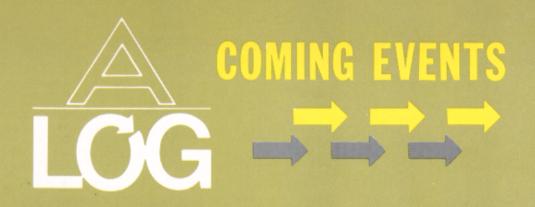
of interest on any function of U.S. Army logistics are invited. Direct communication is authorized to: Editor, ARMY LOGISTICIAN, U.S. Army Logistics Management Center, Fort Lee, Va. 23801.

Use of funds for printing this publication was approved by Headquarters, Department of the Army, 12 July 1971.

Active Army units receive distribution under the pinpoint distribution system, as outlined in AR 310-1. Completed DA Form 12-4 must be sent directly to CO, AG Publications Center, 2800 Eastern Boulevard, Baltimore, Md. 21220.

Army National Guard and U.S. Army Reserve units must submit requirements through their state adjutants general and U.S. Army Reserve channels respectively.

Subscriptions to ARMY LOGISTICIAN are available through the Superintendent of Documents, U.S. Government Printing Office, Washington, D. C. 20402. Annual rates are \$3 for mailing to a domestic or APO address and \$3.75 for mailing to a foreign address. Individual copies of the magazine are 50 cents each. Checks should be made payable to the Superintendent of Documents.



. J	JANUARY				MAY		
1	0-12	Advanced Management Systems Analysis Seminar	New York, N.Y. The Barbizon-Plaza Hotel	7	91st Anniversary—U.S. Army Command and General Staff College	Fort Leavenworth, Kan.	
1	3–14	Effective Negotiator Seminar	Los Angeles, Calif. Beverly-Wilshire Hotel	8-10	26th Annual Technical Conference—American Society for Quality Control	Washington, D.C. Washington Hilton Hotel	
	EBR	<b>UARY</b>		9–10	3d Annual Environmental Pollution Symposium	Washington, D.C. Industrial College of the Armed Forces	
	-4	Computer-Aided Design and Manufacturing Seminar	Atlanta, Ga. Royal Coach Motel	11	54th Annual Meeting— American Ordnance Association	Washington, D.C. Washington Hilton Hotel	
2		36th Annual Meeting— National Transportation Institute	New York, N.Y. Americana Hotel	14	160th Anniversary—U.S. Army Ordnance Corps	Army-wide	
1	1	8th Annual Educational Conference on Government Contracting	Los Angeles, Calif. Airport-Marina Hotel	15–18	11th Annual U.S. Army Operations Research Symposium	Durham, N.C. Army Research Office	
21	1–23	34th Annual Convention— National Association of Supervisors, Federal Government	Washington, D.C. Shoreham Hotel	23–25	25th Annual Power Sources Symposium	Atlantic City, N.J. Shelburne Hotel	
					83d Annual Meeting—U.S. Armor Association	Fort Knox, Ky. Date to be Announced	
MARCH							
				JUNE			
9		30th Anniversary—U.S. Continental Army Command	Fort Monroe, Va.	6-8	26th Annual Convention-	Washington, D.C.	
1	6	170th Anniversary—United States Military Academy	West Point, N.Y.		Armed Forces Communications and Electronics Association	Sheraton-Park Hotel	
				16	197th Anniversary—U.S. Army Quartermaster Corps	Army-wide	
APRIL			19-23	8th Biennial Army Science Conference	West Point, N.Y.		
2		64th Anniversary—U.S. Army Reserve	Army-wide	20	10th Anniversary—U.S. Army Combat Developments Command	Fort Belvoir, Va.	
2	6-28	41st National Meeting— Operations Research Society of America	New Orleans, La. Jung Hotel	26- 1 July	46th National Convention— Reserve Officers' Association	Miami, Fla. Americana Hotel	

